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Substitute for form 1449/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet 1

of 5

Complete if Known

Application Number	10/600.141
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Filing Date	June 20, 2003
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First Named Inventor	Charles K. Rhodes
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Art Unit	2828
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Examiner Name	James Vannucci
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Attorney Docket Number	UIC.02USU1(S-041101)
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U. S. PATENT DOCUMENTS

[illegible]

FOREIGN PATENT DOCUMENTS

[illegible]

**Examiner
Signature**

Dann Vannucci

Date Considered

8-5-05

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		Application Number	10/600,141
		Filing Date	June 20, 2003
		First Named Inventor	Charles K. Rhodes
		Art Unit	2828
		Examiner Name	James Vannucci
Sheet 2	of 5	Attorney Docket Number	UIC.02USU1(S-041101)

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
JW	AA	BORISOV, A.B. et al. "Ultrahigh power compression for x-ray amplification: multiphoton cluster excitation combined with..." J of Phys, Vol. 28, 1995, pgs 2143-2158	
	AB	MCPHERSON, A. et al "Multiphoton-induced x-ray emission a..." Department of Physics, University of Illinois at Chicago, Letters to Nature, Vol. 370, Aug. 25, 1994, pgs 631-634	
	AC	KONDO, K. et al. "Wavelength dependence of multiphoton-induced Xe(M) and Xe(L) emissions..." Letter to the Editor, Journal of Physics, Vol. 30, No 18, 11997, pgs. L2707-L2716	
	AD	BORISOV, A.B. et al. "Observation of relativistic and charge-displacement self-channeling..." Laboratory for Computer Simulation, Research Computer Center, Moscow State	
	"	University, Moscow, Russia, General Physics Institute, Academy of Sciences of Russia, Moscow, Russia, Department of Physics, University of Illinois at Chicago, Illinois,	
	"	Theoretical Division, Los Alamos National Laboratory, Los Alamos, New Mexico, Physical Review Letters, Volume 68, Number 15, April 13, 1992.	
	AE	BORISOV, A.B. et al. "Stable relativistic/charge-displacement channels in ultrahigh power density..." Proc. National Academy of Sciences, Vol. 95, July 1998, pgs. 7854-7859	
	AF	BORISOV, A.B. et al. "Z-I of Xe(M) and Xe(L) emissions from channeled propagation of intense fem..." Letter to the Editor, Jour. of Physics, Vol. 29, 1996, pgs. L113-L118	
	AG	MCPHERSON, A. et al. "Competition between multiphoton xenon cluster excitation and ..." Letter to the Editor, Jour. of Phys, Vol. 29, 1996, pgs. L291-L297.	
✓	AH	BORISOV, A.B. et al. "Intensity dependence of the multiphoton-induced Xe(L) spectrum produced..." Letter to the Editor, Jour. of Phys, Vol. 30, No. 17, 1997, pgs. L767-L775	

Examiner Signature	<i>James Vannucci</i>	Date Considered	8-5-05
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STATEMENT BY APPLICANT**

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Sheet 3 of 5

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Jr	AI	BORISOV, A.B. et al. "Stable self channeling of intense ultraviolet pulses in..." Journal of Optical Society of America, Volume 11, Number 10, October 1994, pgs. 1941-1947.	
	AJ	BOYER, K. et al. "Atomic inner-shell induced by coherent..." Dept. of Physics, University of Illinois at Chicago, Phys Review Letters, Vol. 54, No. 14, Jan. 28, 1985, p1490-1493	
	AK	SCHROEDER, W.A. et al. "Pump laser wavelength-dependent control of the efficiency of kilovolt..." Jour. of Physics, Vol. 31, 1998, pgs.5031-5051	
	AL	SCHROEDER, W.A. et al. "An efficient, selective collisional ejection mechanism..." Journal of Physics B: Atomic, Molecular and Optical Physics, Volume 34, 2001, pgs. 297-319.	
	AM	PLECHATY, E.F. et al. "Tables and Graphs of Photon-Interaction Cross Sections from 0.1 keV..." Lawrence Livermore Laboratory, November 11, 1981.	
	AN	OMENETTO, F.G. et al. "High-brightness terawatt KrF* (248 nm) system," Applied Physics B, Volume 64, 1997 pgs. 643-646.	
	AO	Wagner, R, et al. "Electron acceleration by a laser wak..." Center for Ultrafast Optical Science, Physical Review Letters, The Amer Physical Soc, Vol. 78, No.16, pgs. 3125-3128	
	AP	COWAN, R., "The theory of Atomic Structure and Spectra," University of California Press, September, 1981	
	AQ	WANG, X. et al. "Electron acceleration and the propagation of ultrashort..." Physical Review Letters, The Amer Physical Soci, Vol. 84, No 23, June 5, 2000, pgs.5324-5327	
	AR	MCPHERSON A. et al. "Evidence of enhanced multiphoton (248 nm) coupling from single-pulse ..." J. Phys. B. At. Mol. Opt. Phys. 30 (1997) pgs L767-L775	

Examiner Signature

James Vannucci

Date Considered

8-5-05

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

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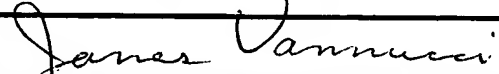
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		Filing Date	June 20, 2003
		First Named Inventor	Charles K. Rhodes
		Art Unit	2828
Examiner Name	James Vannucci		
Sheet 4 of 5	Attorney Docket Number	UIC.02USU1(S-041101)	

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	AS	MAROWSKY, G. et al. "Hohle Atome-Eine Neue Form von Hochangeregter Materie," Neue Zürcher Zeitung, Number 254, November 1, 1995, S.42, with accompanying translation	
	AT	BOYER, K. et al. "Superstrong coherent multi-electron intense-field interaction" J. Phys. B. At. Mol. Opt. Phys. 27 (1994) pgs L633-636	
	AU	BORISOV. A.B. et al. "Dynamics of optimized stable channel formation of intense laser pulses with the ..." J. Phys. B. At. Mol. Opt. Phys. 32 (1999) pgs 3511-3525	
	AV	BORISOV. A.B. et al. "Bifurcation mode of relativistic and charge-displacement self-channeling." J. Phys. B. At. Mol. Opt. Phys. 34 (2001) pgs 2167-2176	
	AW	SOLEM, J.C. et al. "Prospects for X-Ray Amplification with Charge-Displacement Self Channeling." IEEE Jour. of Quan. Elec. Vol. 25 No. 12 Dec. 1999 pgs 2423-2430	
	AX	OMENETTO. F. et al. "Simultaneous generation of spectrally distinct third harmonics in a photonic crystal fiber." Opt. Lett. Vol. 26 No. 15 Aug. 1, 2001 pgs 1158-1160	
	AY	SNYDER. J.D. "Optical Waveguide Theory" Pub. 1983 by Chapman and Hall Ltd.	
	AZ	SCHAWLOW. A.L. "Infrared and Optical Masers" Physical Review Vol. 112 No. 6 Dec. 15, 1958, pgs 1940-1949	
	BA	STOCKHOLM, L.V.H. "Formation of True X-Ray Images by Reflection on Crystal Mirrors" Zeitschr. f. Kristallographie 101, 17 (1939) pgs 17-29	
	BB	VINOGRADOV, A.V. et al. "The problem of laser radiation sources in the far ultraviolet and X-ray regions." Soviet Physics Jetp Vol. 36 No. 6 June 1973 pgs 1115-1119	

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	Art Unit	2828
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gv	A	International PCT Search Report January 25, 2005	

Examiner Signature

James Vannucci

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